

FILE NO.

**Service Manual  
Supplement****DVD Video Player****DVD-SL30 (US)****PRODUCT CODE No.**  
**137 116 00**

The construction of model DVD-SL30(US) is similar to model DWM-380(US). The differences between these models require the bellow specified items. Please also refer to the original service manual DWM-380(US) (SM5810254) for other items.

**CONTENTS**

Service Mode .....	1
How to load software for MPEG P.W.Board .....	1
Wiring Connection .....	1
Exploded View (Cabinet & Chassis) .....	2
Parts List .....	3
Exploded view (DVD Mechanism) .....	5
Parts List .....	5
Schematic Diagram (Front, Dengen and Power Sw) .....	6
Wiring Diagram (Front, Dengen and Power Sw) .....	8

SERVICE MODE

Page 8

2. Displaying Internal Setup screen

Push NEXT button within three seconds after operating the Service Mode display.

On the Internal Setup screen shown on the right, set up Market and Region.

Model	Market	Region
DVD SL30/US	SFC	1

Market/Rejion setup table.

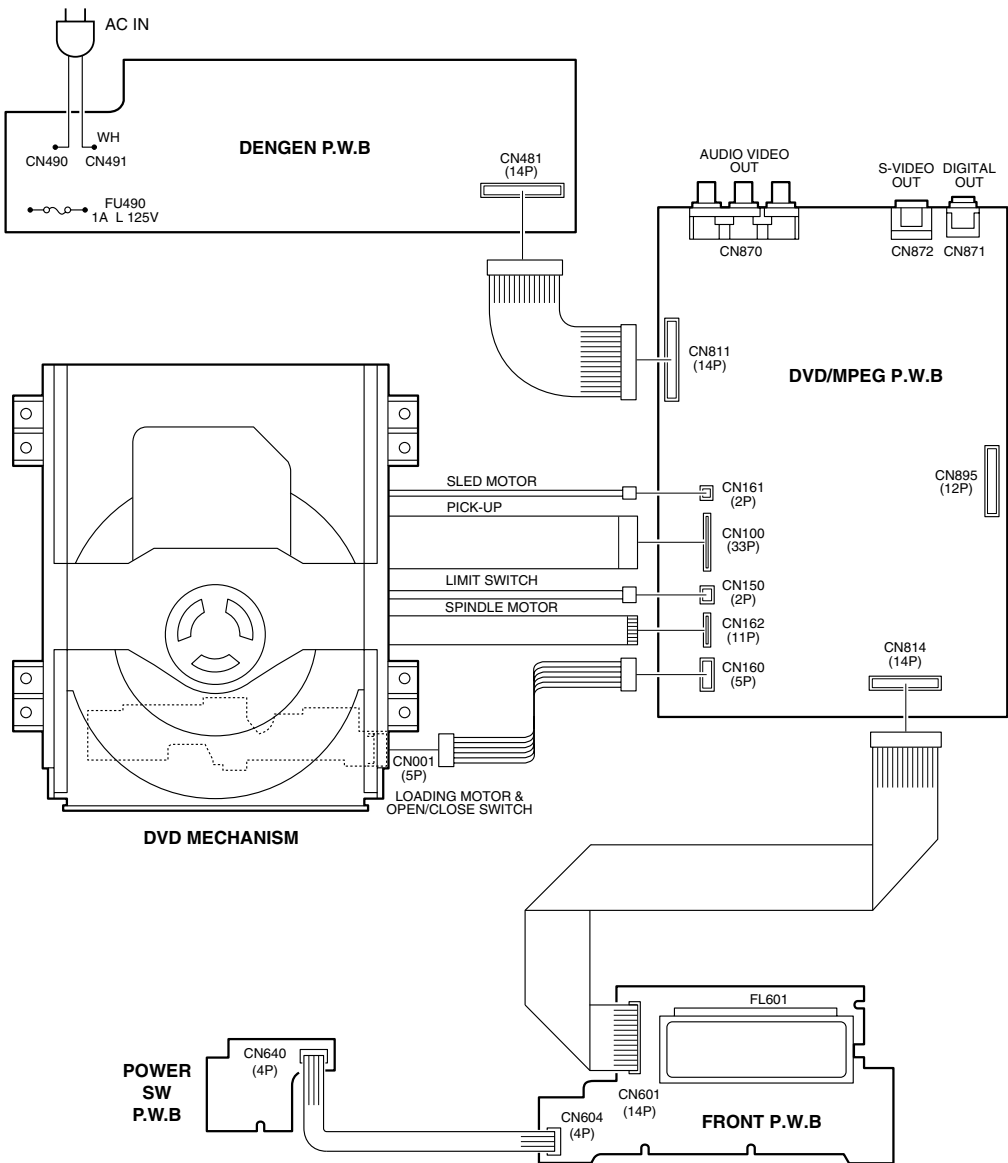
HOW TO LOAD SOFTWARE FOR MPEG P.W.BOARD

Page 10

- 1. Power on, then open tray.
- 2. It take on CD-ROM for UPDATE software to the tray, and tray close.
- 3. Display "UP DATE" in the TV screen.
- 4. For the time being, tray open and FL display remain "UP DATE".
- 5. When software loading finished, FL display "STANDBY".
- 6. Next, set up market code and region code by "SERVICE MODE"  
CD-ROM part code is "0PRADF7114--AD".

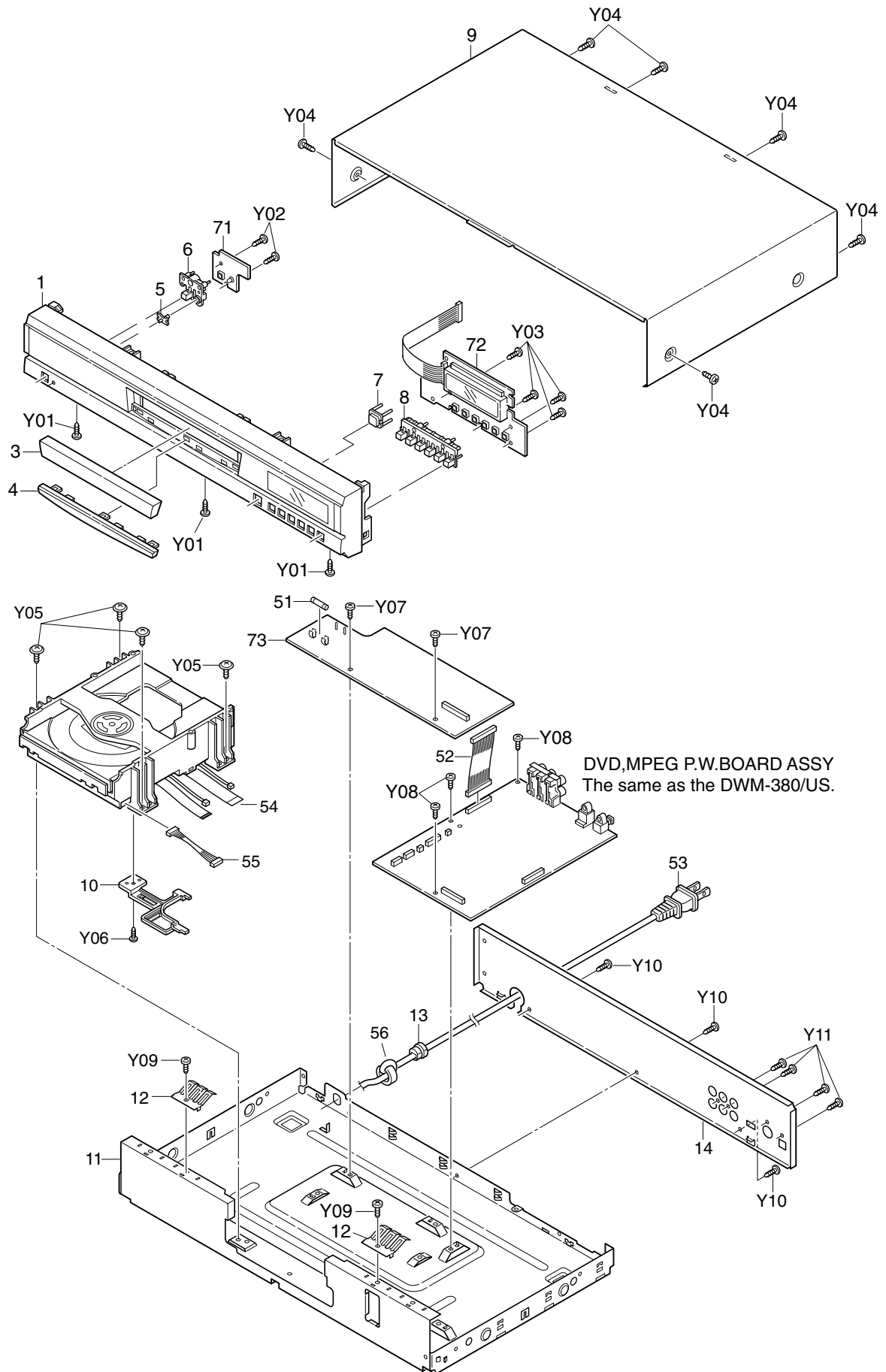
WIRING CONNECTION

Page 29



# EXPLODED VIEW (CABINET & CHASSIS)

Page 11



## PARTS LIST

Page 12

### PRODUCT SAFETY NOTICE

EACH PRECAUTION IN THIS MANUAL SHOULD BE FOLLOWED DURING SERVICING. COMPONENTS IDENTIFIED WITH THE IEC SYMBOL  $\Delta$  IN THE PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATED COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. WHEN REPLACING A COMPONENT IDENTIFIED BY  $\Delta$ , USE ONLY THE REPLACEMENT PARTS DESIGNATED, OR PARTS WITH THE SAME RATINGS OF RESISTANCE, WATTAGE OR VOLTAGE THAT ARE DESIGNATED IN THE PARTS LIST IN THIS MANUAL. LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS MUST BE MADE TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE PRODUCT TO THE CUSTOMER.

**CAUTION :** Regular type resistors and capacitors are not listed. To know those values, refer to the schematic diagram.  
Regular type resistors are less than 1/4W carbon type and chip resistors.  
Regular type capacitors are less than 50V and less than 1000 $\mu$ F of Ceramic type and Electrolytic type.

### PACKING & ACCESSORIES

REF.NO.	PART NO.	DESCRIPTION
	614 323 2506	CARTON CASE,INNER
	614 315 5928	CUSHION,LEFT,LEFT
	614 315 5935	CUSHION,RIGHT,RIGHT
	614 323 2520	INSTRUCTION MANUAL,INST
	645 052 1621	POLY BAG,CABLE
	645 012 2958	POLY BAG,INST MANUAL
	645 044 8539	POLY SHEET,SET
	645 051 6047	REMOCON,REM-SL30MT
	645 043 9735	BATTERY COVER,SERVICE PART
	645 037 3893	CABLE,A/V
or	645 023 0806	CABLE,A/V
or	645 017 6012	CABLE,A/V
or	645 003 3414	CABLE,A/V

### CABINET & CHASSIS

REF.NO.	PART NO.	DESCRIPTION
1	614 324 1607	ASSY,CABINET,FRONT
3	614 316 7563	DEC,DVD TRAY
4	614 316 7549	DEC,ESCUTCHEON, UNDER DVD TRAY
5	614 302 0530	DEC,WINDOW LED,STANDBY
6	614 315 5768	BUTTON,POWER
7	614 316 7556	DEC,WINDOW,IR
8	614 317 9498	BUTTON,PLAY,PLAY/STOP
9	614 317 9344	ASSY,CABINET,BENDING, AFTER BENDING
10	614 320 5852	MOUNTING,FFC
11	614 323 2599	ASSY,CABINET,BOTTOM
12	614 313 6545	SPRING,PLATE,SHIELD
13	614 129 1901	FIXER,AC CORD
or	614 284 1884	FIXER,AC CORD
14	614 323 0090	PANEL,REAR

### FIXING PARTS

REF.NO.	PART NO.	DESCRIPTION
Y01	411 021 6405	SCR S-TPG BIN 3X8, FRONT-BOTTOM FIX
Y02	411 165 3803	SCR S-TPG BIN 2.3X10, STANDBY PWB FIX
Y03	411 165 3803	SCR S-TPG BIN 2.3X10, FRONT PWB FIX
Y04	411 098 4205	SCR S-TPG BIN 3X8,CABINET
Y05	411 020 9803	SCR S-TPG BRZ+FLG 3X6, DVD MECHA
Y06	411 021 2704	SCR S-TPG BIN 2.6X6,MOUNTING
Y07	411 021 6405	SCR S-TPG BIN 3X8,MAIN PWB
Y08	411 021 6405	SCR S-TPG BIN 3X8,MPEG PWB
Y09	411 021 6405	SCR S-TPG BIN 3X8, BOTTOM-SPRING FIX
Y10	411 021 3503	SCR S-TPG BIN 3X10,BOTTOM-REAR
Y11	411 021 3503	SCR S-TPG BIN 3X10, REAR-ELECT PART

### ELECTRICAL-PARTS

REF.NO.	PART NO.	DESCRIPTION
51	$\Delta$ 423 027 4606	FUSE 125V 1A,125V 1A
52	614 323 3206	ASSY,WIRE,DVD-DG 14P
53	$\Delta$ 645 032 7537	CORD,POWER-1.86MK,FOR US
54	645 052 5865	FLEXIBLE FLAT CABLE,PICK,FFC 33P
55	614 323 3237	ASSY,WIRE,LOADING-DVD 5P
56	$\Delta$ 645 051 0649	CORE,FERRITE,AC_CORD
or	$\Delta$ 645 031 7637	CORE,FERRITE,AC_CORD

### POWER-SW P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
71	614 323 3695	ASSY,PWB POWER-SW(Only initial)
CN640	614 035 4935	SOCKET,DIP 4P,TO_FRONT
D6401	408 032 5404	LED SLP-9118C-51H-S-T1,STANDBY
D6402	407 012 4406	DIODE 1SS133
S6401	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T

### FRONT P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
72	614 323 1912	ASSY,PWB FRONT(Only initial)
BR601	614 315 5843	HOLDER,FL
CN601	614 323 3213	ASSY,WIRE,FRONT_DVD
CN604	614 035 4935	SOCKET,DIP 4P,TO_POWER_SW
D6040	407 012 4406	DIODE 1SS133
D6041	407 012 4406	DIODE 1SS133
D6042	407 012 4406	DIODE 1SS133
D6043	407 012 4406	DIODE 1SS133
D6044	407 012 4406	DIODE 1SS133
D6045	407 012 4406	DIODE 1SS133
DS601	407 217 8407	PHOTO DIODE SPS-440-1-G
FL601	645 044 8232	FLUORESCENT TUBE
IC601	409 519 6907	IC PT6315
S6040	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
S6041	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
S6042	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
S6043	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
S6044	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T

## PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
S6045	645 048 3820	SWITCH,PUSH
or	614 220 5471	SWITCH,TACT
or	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T

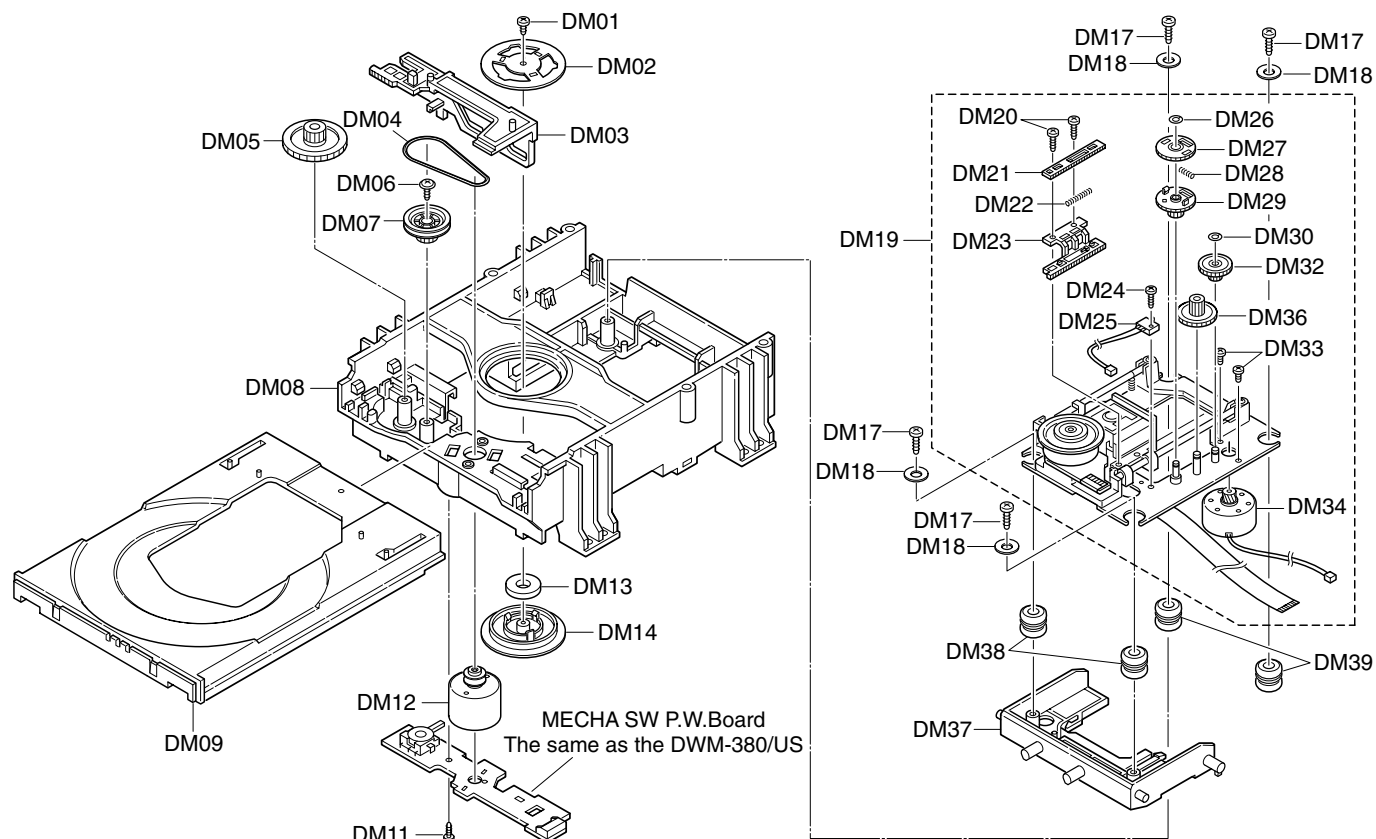
### DENGEN P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
73	614 323 1929	ASSY,PWB DENGEN(Only initial)
C4809	△ 403 357 8406	ELECT 1000U M 6.3V
C4811	△ 403 337 2103	ELECT 100U M 10V
or	△ 403 373 8305	ELECT 100U M 10V
C4812	△ 403 337 5500	ELECT 22U M 50V
or	△ 403 374 0704	ELECT 22U M 50V
C4814	△ 403 373 8800	ELECT 330U M 16V
C4815	△ 403 337 7207	ELECT 33U M 35V
or	△ 403 374 0001	ELECT 33U M 35V
C4902	403 082 0201	POLYPRO 470P J 100V
C4903	△ 403 332 7202	ELECT 47U M 25V
or	△ 403 373 9203	ELECT 47U M 25V
C4904	△ 403 145 9103	CERAMIC 220P K 1K
C4906	△ 404 088 7409	MT-POLYEST 0.1U K 250V
or	△ 404 080 8206	MT-POLYEST 0.1U K 250V
or	△ 403 376 2409	MT-POLYEST 0.1U M 250V
C4907	△ 404 088 7409	MT-POLYEST 0.1U K 250V
or	△ 404 080 8206	MT-POLYEST 0.1U K 250V
or	△ 403 376 2409	MT-POLYEST 0.1U M 250V
C4908	△ 404 080 8107	CERAMIC 2200P M 400V
CN481	614 310 2557	PLUG,14P
or	645 006 0892	PLUG,14P
D4802	△ 408 043 6704	DIODE RGP10GL-22C-012
D4803	△ 408 044 7304	DIODE SB160L-19C2-004
D4805	△ 408 043 6704	DIODE RGP10GL-22C-012
D4806	△ 408 043 6704	DIODE RGP10GL-22C-012
D4807	407 099 4603	ZENER DIODE MTZJ3.9B
D4809	△ 408 044 6307	DIODE SB140L 19C2-004
D4820	407 099 6607	ZENER DIODE MTZJ12B
D4902	407 012 4406	DIODE 1SS133
D4904	△ 407 004 9808	DIODE DSK10E
or	△ 407 012 0408	DIODE 1N4004
or	△ 407 004 9808	DIODE DSK10E
D4905	△ 407 004 9808	DIODE DSK10E
or	△ 407 012 0408	DIODE 1N4004
or	△ 407 004 9808	DIODE DSK10E
D4906	△ 407 004 9808	DIODE DSK10E
or	△ 407 012 0408	DIODE 1N4004
or	△ 407 004 9808	DIODE DSK10E
D4907	△ 407 004 9808	DIODE DSK10E
or	△ 407 012 0408	DIODE 1N4004
or	△ 407 004 9808	DIODE DSK10E
D4910	407 012 4406	DIODE 1SS133
FPC01	645 006 4760	HOLDER,FUSE
or	645 031 7903	HOLDER,FUSE
FPC02	645 006 4760	HOLDER,FUSE
or	645 031 7903	HOLDER,FUSE
IC483	△ 409 517 5704	IC KA431AZTF
or	△ 409 508 2804	IC KIA431A
or	△ 409 508 2705	IC KIA431
or	△ 409 067 7203	IC L5431
IC490	△ 410 431 1208	IC STR-G6351 LF1129
L4801	645 048 4469	INDUCTOR,22U
or	645 045 8613	INDUCTOR,10U
L4900	△ 645 045 8941	LINE FILTER
or	△ 645 038 2024	LINE FILTER
PC490	△ 408 047 0005	PHOTO COUPLE H11A817B300
or	△ 407 220 4601	PHOTO COUPLE PC123Y22
or	△ 407 104 2204	PHOTO COUPLE PC817B
or	△ 407 203 8602	PC PS2561-1-V
PR481	△ 645 042 2553	PROTECTOR,0.63A 125V
PR482	△ 645 042 2560	PROTECTOR,0.75A 125V

REF.NO.	PART NO.	DESCRIPTION
PR484	△ 645 042 2553	PROTECTOR,0.63A 125V
PT490	△ 645 045 6473	TRANS,POWER,PULSE
Q4820	405 141 3109	TR KTC3203-Y
or	405 024 9907	TR 2SD734-F
or	405 025 0200	TR 2SD734-G
R4908	△ 402 087 3408	RESISTOR 3.3M J- 1/2W
or	△ 402 078 9501	CARBON 3.3M J- 1/2W
or	△ 402 078 8108	CARBON 3.3M J- 1/2W
WR490	614 017 6964	TERMINAL BOARD
WR491	614 017 6964	TERMINAL BOARD

# EXPLODED VIEW(DVD MECHANISM)

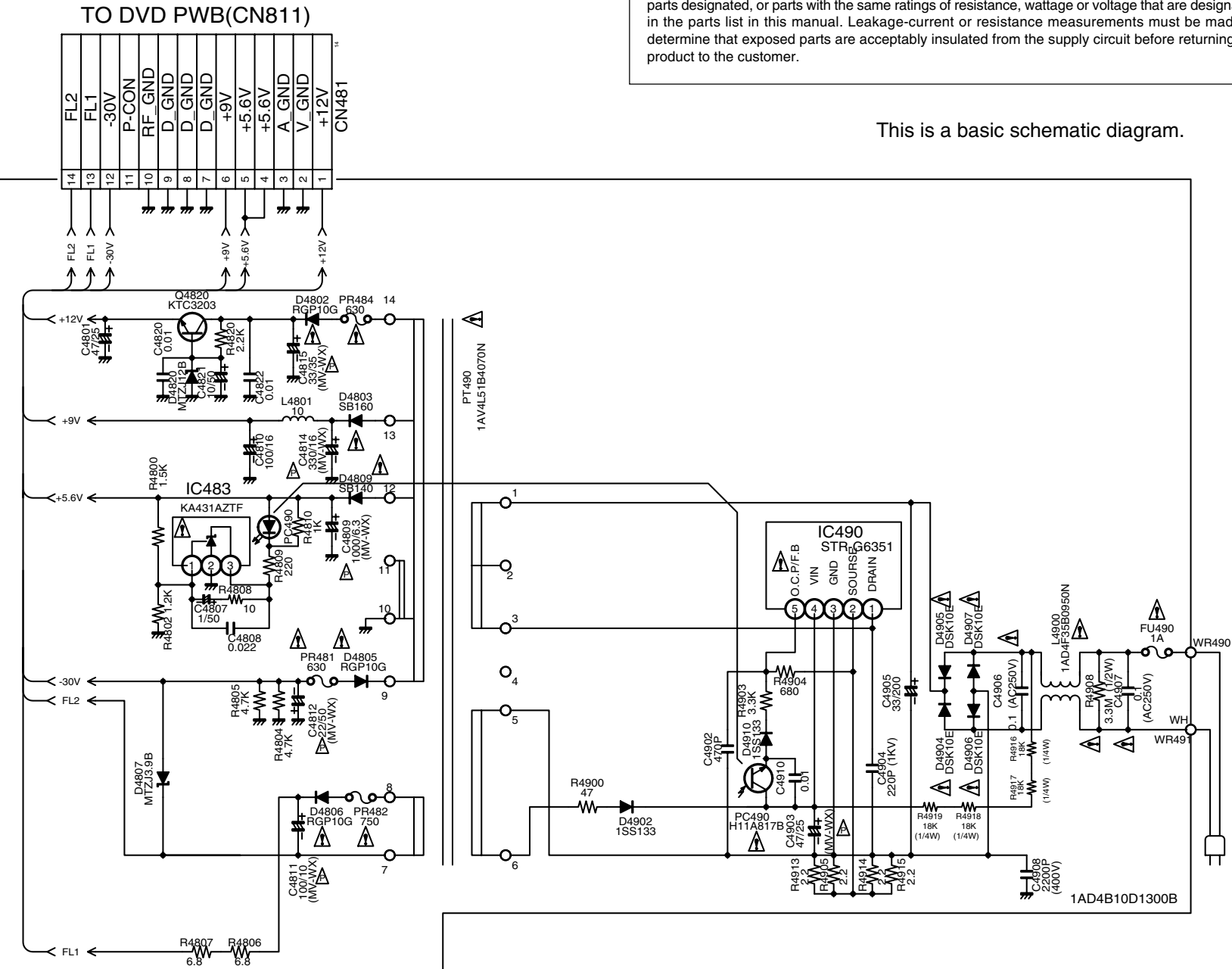
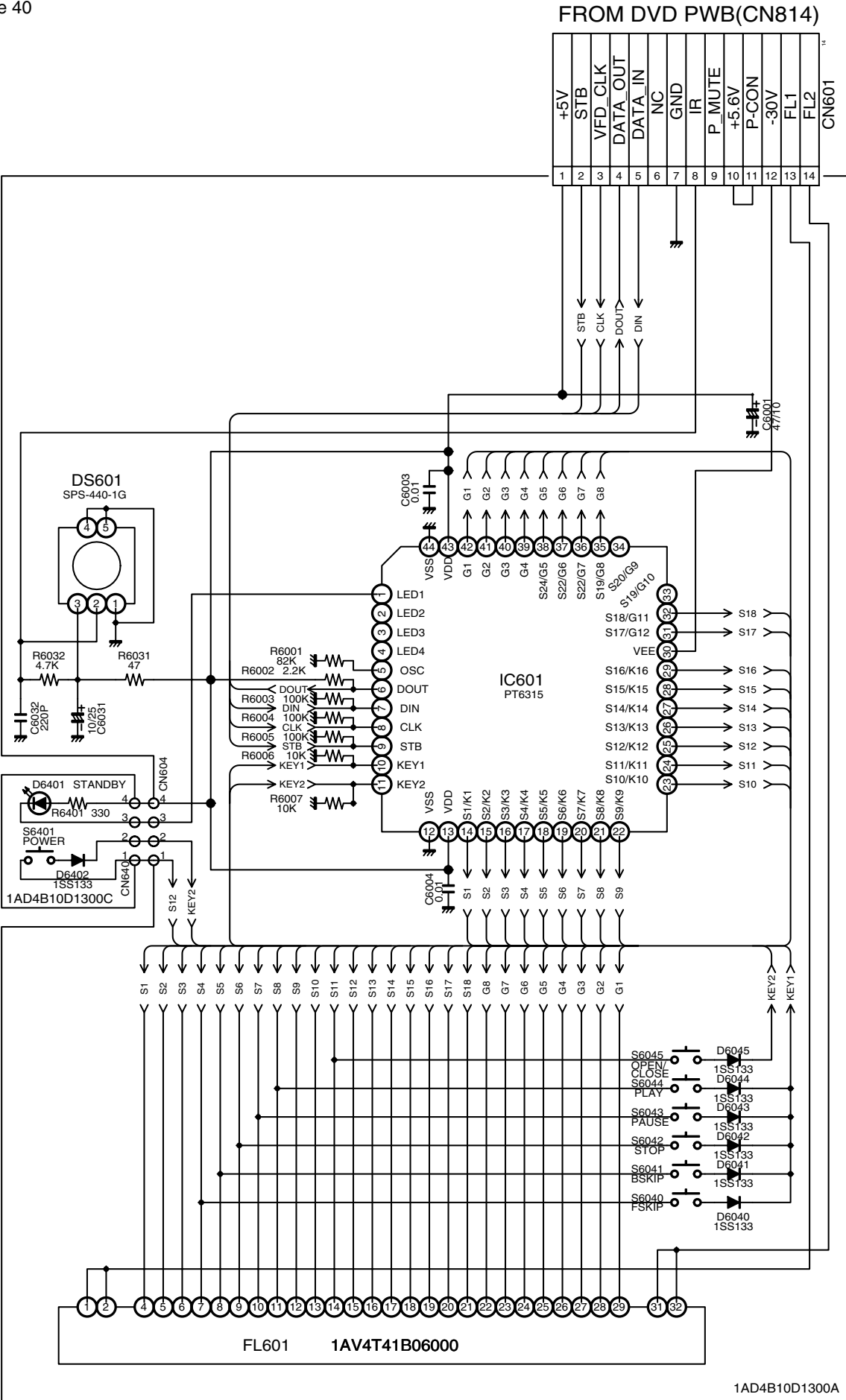
Page15





## PARTS LIST

### DVD MECHANISM

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
	614 323 2988	ASSY,MECHA,LDR310, MECHANISM ASSY	DM26	412 057 8304	SPECIAL WASHER,FOR GEAR FIX
DM01	411 162 1901	SCR S-TPG PAN PCS 2X3, CHUCK HOLDER FIX	DM27	614 310 2069	GEAR,GEAR-5
DM02	614 315 7830	DISC,CHUCK DISC	DM28	614 310 6142	SPRING,COMP,FOR BACK RUSH
DM03	614 320 2356	SLIDE,BASE UP/DOWN	DM29	614 310 2052	GEAR.,GEAR-4
DM04	614 323 3923	BELT,SQUARE,LOADING	DM30	412 057 8304	SPECIAL WASHER,FOR GEAR FIX
DM05	614 320 2271	GEAR,LOADING GEAR	DM32	614 310 2038	GEAR.,GEAR-2
DM06	412 061 7803	SPECIAL SCREW,HOLDER RAIL FIX	DM33	411 106 7709	SCR PAN PCS 1.7X2.5, SLED MOTOR FIX
DM07	614 320 2349	PULLEY,LOADING RETARD PULLY	DM34	645 051 5200	ASSY,MOTOR,SLED MOTOR
DM08	614 320 3865	CHASSIS,LOADING CHASSIS	DM36	614 310 2045	GEAR.,GEAR-3
DM09	614 320 2363	TRAY,TRAY	DM37	614 320 5098	MOUNTING,BASE MECHA MOUNTING
DM11	411 021 2704	SCR S-TPG BIN 2.6X6, PWB MECHA IF FIX	DM38	614 310 6128	SPACER,MECHA, BASE MECHA FLOATING
DM12	645 032 4352	ASSY,MOTOR LOADING, LOADING MOTOR	DM39	614 322 9070	SPACER,MECHA, BASE MECHA FLOATING
DM13	645 050 0725	MAGNET(CHUCK),MAGNET CHUCK			
or	645 043 7175	MAGNET(CHUCK),MAGNET CHUCK			
DM14	614 315 7847	HOLDER,CHUCK HOLDER			
DM17	411 021 1806	SCR S-TPG BIN 2.6X10,BASE FIX			
DM18	411 092 0906	WASHER Z 2.6X10X0.5,BASE FIX			
DM19	614 321 0610	ASSY,MECHA, LDR 370 BASE,BASE MECHANISM			
DM20	411 184 0302	SCR S-TPG PAN PCS 1.7X4.5, RACK FIX			
DM21	614 310 2083	GEAR,RACK,MOVE PICKUP(FREE)			
DM22	614 310 6159	SPRING,COMP, FOR BACK RUSH(RACK)			
DM23	614 310 2076	GEAR,RACK,MOVE PICKUP(FIX)			
DM24	411 018 4704	SCR PAN PCS 1.7X5,LIMIT SW FIX			
DM25	645 040 9899	SWITCH,MICRO 1P-2T,LIMIT SW			



PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol  in the parts list and the schematic diagram designated components in which safety can be of special significance. When replacing a component identified by , use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

This is a basic schematic diagram.

